

## ***ABSTRACT OF THE DISCLOSURE***

A cable assembly for an electrosurgical pencil comprises a power and signal transmitting multiple-core cable with an attachment plug, in which the power transmitting core has more conductors and thicker insulation than the two signal transmitting cores. The attachment plug has plastic plug-pins with spring-steel strips, or has metal plug-pins with recesses on the plug body near the plug-pins, to increase the flexibility to mate with any loose or tight socket. The cable assembly of this invention is cheaper in cost, lighter in weight, thinner in outside diameter, more flexible in total length and provides a more stable plug-socket connection.

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